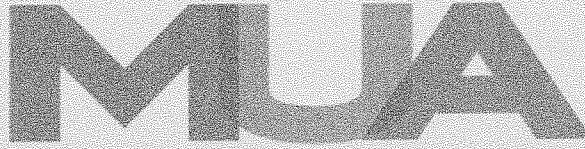


The
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UNDERGRADUATE UNIVERSITY EXAMINATIONS -APRIL 2013

SCHOOL OF MANAGEMENT AND LEADERSHIP

DEGREE OF BACHELOR OF MANAGEMENT AND LEADERSHIP

UCU 103: INTRODUCTION TO LOGIC AND CRITICAL THINKING

DATE: 18TH APRIL 2013

DURATION: 2 HOURS

MAXIMUM MARKS: 70

INSTRUCTIONS:

1. Write your registration number on the answer booklet.
2. **DO NOT** write on this question paper.
3. This paper contains six (6) questions.
4. Question ONE is compulsory.
5. Answer any other **THREE** questions.
6. Question one carries **25 MARKS** and the rest carry **15 MARKS** each.
7. **Write all your answers in the Examination answer booklet provided.**

QUESTION ONE**JAMES AND JANE**

During fifteen years of marriage, James and Jane had not succeeded in having a baby. As a last resort, they tried in vitro fertilization. Doctors surgically removed ten eggs from Jane and fertilized them with James's sperms. The embryos were then placed in a freezer until the proper time for them to be implanted in Jane's womb. In the meantime, James and Jane came to realize that their marriage was nowhere and they decided to get a divorce. The couple has had no trouble arriving at a settlement concerning the house, cars, bank account and other possessions, but they could not agree on the disposition of the frozen embryos. James is adamant about not wanting to have any children by Jane and he wants the embryos destroyed. Jane, on the other hand, realizing that she is getting older, thinks that the frozen embryos offer her the best chance of having a baby, and she wants them implanted.

REQUIRED;

- a) Differentiate between legal wrong and moral wrong (5 marks)
- b) Using legal or moral reasoning, advance an argument for ramification of the dispute in favour of
 - i. Jane (10 marks)
 - ii. James (10 marks)

QUESTION TWO

Kamene is considering a job as a sales agent with an insurance company which pays a monthly salary of KShs 5,000/= flat rate and rest at 5% of total sales as commission. Her friend Mwikali took such a job one year ago, and within nine months her monthly salary was 300,000/=. Kamene argues that if she takes this job, then her monthly salary will be at least 300,000/= within nine months. With reasons, explain how the following facts bear on Kamene's argument?

- a) Kamene is beautiful, whereas Mwikali is average looking. (5 marks)
- b) Kamene's parents are elementary school teachers, but Mwikali's parents are high commissioners in Sweden (5 marks)
- c) Kamene has five years experience as a public relations specialist, whereas Mwikali when she was hired had only two years experience in that area (5 marks)

QUESTION THREE

Given the following group of people together with their weights, what is the average weight in the sense of mean, median and mode? (15 marks)

Number of people	weight
2	150
4	160
3	170
1	180
1	190
1	200
1	220
2	230

QUESTION FOUR

From the following argument, identify the two fallacies committed, giving a brief explanation of each for your answer

Wanga to the crowd; "Maria should be allowed to jump the queue. She has six hungry children to feed and her husband desperately needs an operation to save his eyesight". "No!" Replied owanga; if we allow Maria now, kamene will cry; mweni faint, makenzi die and none of us will be left strong to withstand the hot sun. Surely nobody should be allowed to jump the queue.

(15 marks)

QUESTION FIVE

Write short notes on the following

- a) Cognition (2 marks)
- b) Concepts (2 marks)
- c) Argument (3 marks)
- d) Deductive argument (4 marks)
- e) Inductive argument (4 marks)

QUESTION SIX

- a) Identify the kind of causality intended by the following statements, giving reasons. Is the cause a sufficient condition, a necessary condition or both sufficient and necessary
 - i. Throwing an egg at the wall will cause the egg to break
 - ii. Releasing the shutter of a camera causes an image to appear on the film
 - iii. Pouring paraffin on a wood fire will cause the fire frame to light more
 - iv. Flipping the wall switch to the "up" position causes the overhead light to go on

(8 marks)

- b) Giving examples, differentiate between an argument and a disagreement

(7 marks)

